

AP0574

Leader in Biomolecular Solutions for Life Science



# Phospho-Cyclin D1-T286 Rabbit pAb

Catalog No.: AP0574

## Basic Information

### Observed MW

36kDa

### Calculated MW

34kDa

### Category

Polyclonal Antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human, Rat

## Background

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of human cancers.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

595

### Swiss Prot

P24385

### Immunogen

A synthetic phosphorylated peptide around T286 of human Cyclin D1 (NP\_444284.1).

### Synonyms

BCL1; PRAD1; U21B31; D11S287E; Phospho-Cyclin D1-T286

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

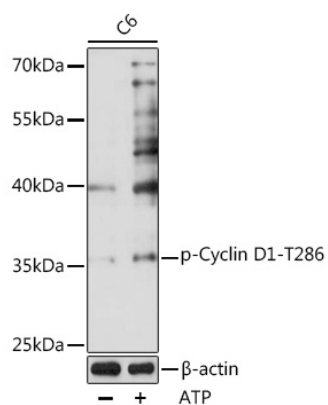
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data



Western blot analysis of various lysates using Phospho-Cyclin D1-T286 pAb (AP0574) at 1:1000 dilution. C6 cells were treated by ATP (5 mM) at 30°C for 1 hour.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 60s.